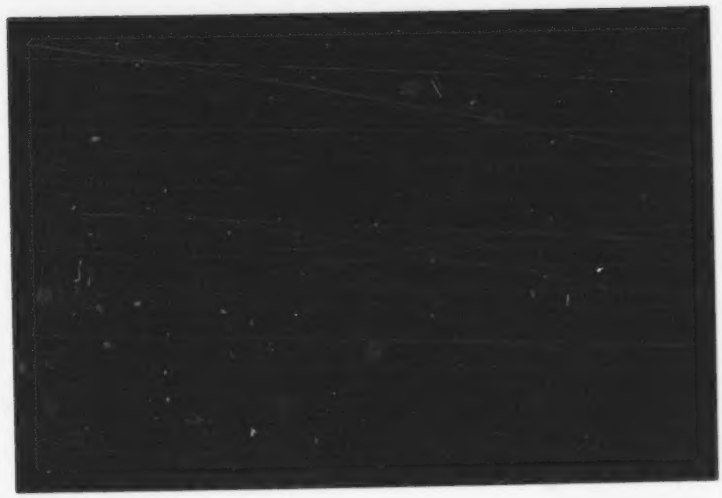

Partners for Health

Manitoba
Health
Communicable
Disease Control

SEXUALLY TRANSMITTED DISEASES

HUMAN IMMUNODEFICIENCY VIRUS INFECTIONS

ANNUAL STATISTICAL REPORT

MANITOBA - 1989

MANITOBA HEALTH

Communicable Disease Control

Released: August, 1990

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Introduction:

The Communicable Disease Control office is responsible for the surveillance of sexually transmitted diseases (STD), including human immunodeficiency virus (HIV) infection and acquired immune deficiency syndrome (AIDS). The office is also responsible for co-ordinating the Provincial STD/AIDS program.

Eleven nurses, comprising 2 teams, are responsible for follow-up of STDs in Winnipeg. One team is staffed and administered by the City of Winnipeg Health Department, the other by Manitoba Health.

Outside of Winnipeg, health regions provide STD follow-up in one of two ways. Some have a co-ordinator of cases for the entire region, while other regions have each public health nurse responsible for the field investigation in his/her area.

The master registry of all cases and contacts is located at the Communicable Disease Control office and the ongoing, close communications between both Winnipeg STD teams, regions, physicians and directorate facilitate the investigation of cases and contacts in Winnipeg and the seven other health regions.

The following report on sexually transmitted diseases, including AIDS, has been prepared in order to provide information on cases of reported infection in Manitoba. Only cases which have been laboratory confirmed and reported to the STD control office by diagnosticians are included in this document.

SUMMARY OF THE 1989 ANNUAL REPORT:

In 1989 a total of 7,129 cases of gonorrhea, chlamydia and syphilis were reported. This represents a total decrease of over 1000 cases of reported sexually transmitted infections from the previous year.

Gonorrhea:

- 1533 laboratory confirmed cases of gonorrhea were reported in 1989. This represents a 24% decrease (488 cases) from 1988. The incidence rate decreased from 24 to 18 per 10,000 population.
- Females made up 46% of all reported gonorrhea. 65% of these cases occurred in women between the ages of 15-24 years.
- 6 children under the age of 12 (5 female and 1 male) were reported as having gonorrhea. These were all managed as possible cases of sexual abuse.
- 25 cases of pelvic inflammatory disease were documented in women who had gonorrhea. This is an increase from the previous year, but may be due to more complete reporting.
- There were no cases of penicillinase producing **Neisseria gonorrhoeae** (PPNG) reported in 1989. The laboratories continue to do beta lactamase testing on all positive cultures.

Chlamydia:

- 5563 laboratory confirmed cases of chlamydia were reported in 1989. This represents a 9% decrease (548 cases) from 1988.
- The majority of cases (73%) were reported in females.
- Among these females, 74% were in the age group 15-24 years.
- 19 females and 1 male under the age of 12 were reported as having chlamydial infections and were investigated as possible cases of sexual abuse.

Syphilis:

There were 33 reported cases of syphilis in 1989. Of these, 9 were infectious cases (less than one year's duration). There has not been a significant increase from 1988 when 25 cases were reported, of which 6 were infectious.

Chancroid:

There have not been any cases of chancroid reported in the year 1989.

Human Immunodeficiency Virus (HIV):

Provincial statistics are based on positive HIV antibody test results reported by the Cadham Provincial Laboratory. All blood samples are screened and confirmed positive prior to being reported to Communicable Disease Control. CDC staff discuss each antibody positive test result with the physician who ordered the test, to ensure the accuracy of the demographic and epidemiologic information. Since specimens are coded, it is not possible to ensure that each test result included in these data represent a separate person. However, every effort is made to identify duplicate results and count individuals only once.

From January 1,1989, to December 30, 1989, 3011 sera were tested; 57 persons (2%) were positive. This brings the cumulative total of HIV antibody positive persons to 228 over the 5 year testing period (1985-1989).

This report summarizes the data on the 57 HIV antibody positive persons by age, sex, location and transmission category.

The age distribution of seropositive persons has remained constant with 79% identified in the 20-40 year old age category. Three women were reported as seropositive accounting for 5% of the total positive results reported in 1989.

Homosexual/bisexual risk activity was reported by 40 (70%) of seropositive persons. Four (7%) persons were infected as a result of blood/blood product transmission. Heterosexual transmission occurred in 7 (12%) of the total seropositives for 1989. Over the 5 year testing period (1985-1989), this represents 7% of all those who tested positive for HIV. We can anticipate this trend will continue at a very slow, but

steady, rate. Transmission associated with injection drug use as a sole risk activity did not occurr during 1989.

In 1989, there were 3 (5%) seropositive persons reported residing either outside of Winnipeg or out of the province. This trend supports the hypothesis that Manitobans continue to choose Winnipeg as a test site rather than their place of residence.

Acquired Immune Deficiency Syndrome (AIDS):

As of December 31, 1989, the cumulative number of AIDS cases (1985-1989) for Manitoba was 46; 26 of these cases are known to have died.

During the year 1989, 17 new AIDS cases and 10 deaths were reported to Communicable Disease Control. All reported cases were male. Of the 17 cases reported in 1989, 4 died in 1989.

Risk factors reported by persons diagnosed with AIDS:
- 11 (65%) homosexual activity,
- 1 (6%) bisexual activity plus injection drug use,
- 4 (24%) recipient of blood/ blood products and,
- 1 (6%) no identified risk (NIR).

There are no pediatric cases of AIDS, to date, in Manitoba. Age distribution remains consistent with previous years:
- 4 (24%) cases in the 20-29 year age group,
- 8 (47%) in the 30-39 year age group,
- 3 (18%) in the 40-49 year age group and,
- 2 (12%) in the 50 and over age group.

The seventeen AIDS cases diagnosed in 1989 presented with the following primary diseases:
- 9 (53%) PCP without K.S.
- 2 (12%) K.S. without PCP
- 3 (18%) other opportunistic infections
- 2 (12%) other malignancies
- 1 (6%) HIV encephalopathy.

Manitoba continues to have the sixth highest incidence rate of AIDS cases in Canada. Age distribution and risk factors attributed to AIDS cases in Manitoba are consistent with the trends seen across Canada.

TABLE 1.0: INCIDENCE RATES/10,000 POPULATION OF CHLAMYDIA, GONORRHEA AND SYPHILIS CASES

BY HEALTH REGION

MANITOBA 1989

Region	*Population	Chlamydia Cases	Rate	Gonorrhea Cases	Rate	Syphilis Cases	Rate	Total STD	Rate
Thompson	41,429	692	167	269	64			961	232
Central	95,711	140	15	34	4			174	18
Interlake	74,499	222	30	40	5	1		263	35
Parklands	48,894	150	31	45	9			195	40
Eastman	91,393	350	38	115	13	1		466	51
Norman	25,077	187	75	37	15			224	89
Westman	119,695	428	36	69	6	1		498	42
Winnipeg	628,716	3,318	53	910	14	30		4,258	68
Out of Prov.		76		14				90	
TOTAL	1,125,414	5,563	50	1,533	14	33	<1	7,129	63

* Population figures from MHSC registry, June 1988

Figure 1

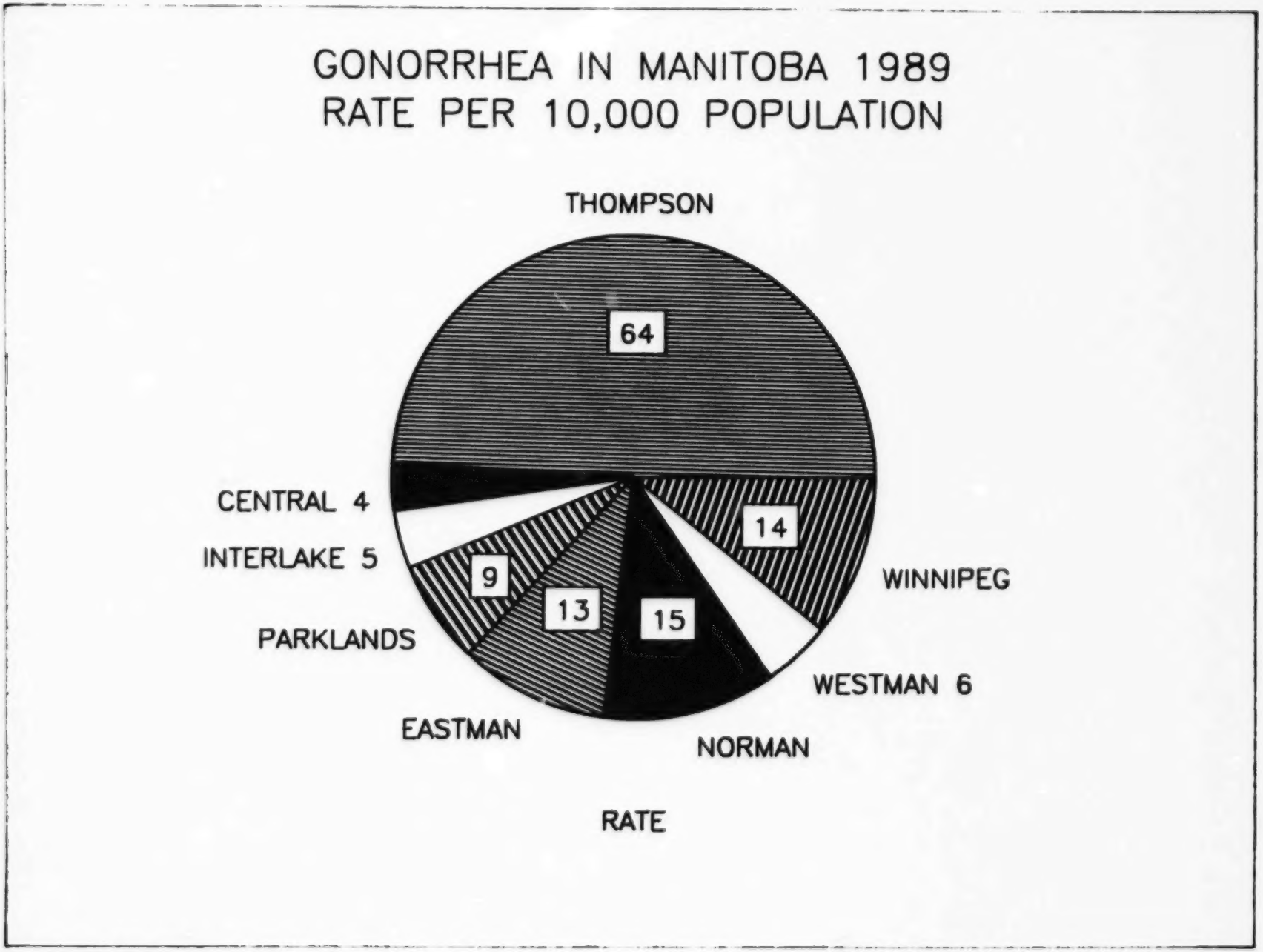

GONORRHEA IN MANITOBA 1989
RATE PER 10,000 POPULATION
THOMPSON
64
CENTRAL 4
INTERLAKE 5
9
13
15
14
WINNIPEG
PARKLANDS
WESTMAN 6
EASTMAN
NORMAN
RATE

Figure 2

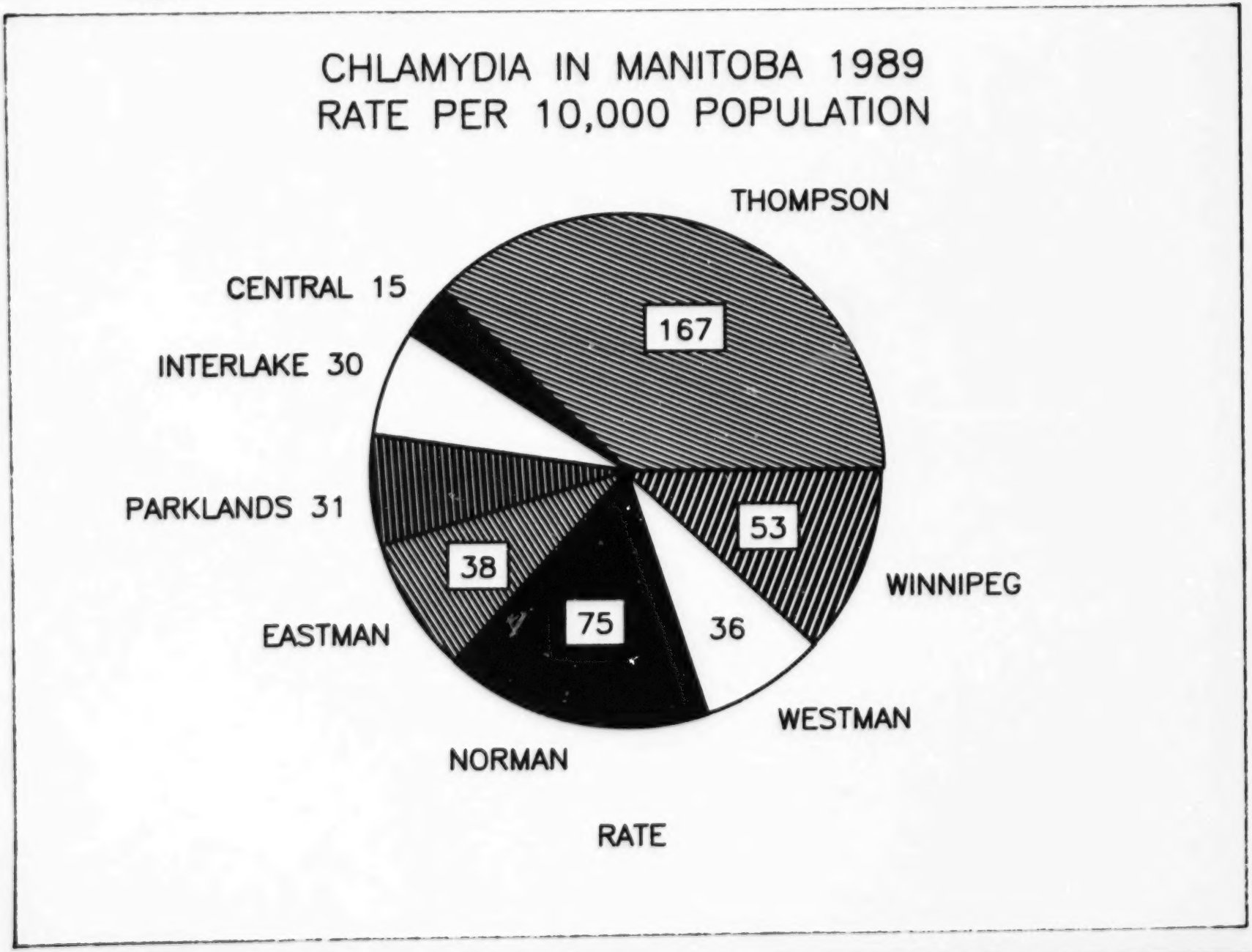

CHLAMYDIA IN MANITOBA 1989
RATE PER 10,000 POPULATION
THOMPSON
CENTRAL 15
INTERLAKE 30
PARKLANDS 31
EASTMAN
NORMAN
WESTMAN
WINNIPEG
167
53
36
75
38
RATE

TABLE 1.1: MALE/FEMALE INCIDENCE RATES/10,000 POPULATION OF CHLAMYDIA AND GONORRHEA CASES

BY HEALTH REGION

MANITOBA - 1989

	*Population		Chlamydia Cases		Rate		Gonorrhea Cases		Rate	
Region	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Thompson	21,489	19,940	168	524	78	263	150	119	70	60
Central	47,924	47,787	37	103	8	22	15	19	3	4
Interlake	37,933	36,566	53	169	14	46	26	14	7	4
Parklands	24,835	24,059	41	109	17	45	22	23	9	10
Eastman	46,769	44,624	94	256	20	58	71	45	15	10
Norman	12,852	12,225	51	136	40	111	22	15	17	12
Westman	59,195	60,500	114	314	19	52	31	38	5	6
Winnipeg	305,738	322,978	2,398	920	78	28	474	436	16	13
Manitoba	556,735	568,678	1,492	4071	27	72	818	715	15	13

* Population figures from MHSC registry, 1988

TABLE 2.0: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES

BY AGE, SEX AND SITE OF INFECTION

MANITOBA 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA	1		10		5		119	13	1635	375	1402	584	565	299	271	162	53	38	8	15	2	6	4071	1492	5563
TOTAL GONORRHEA --SITES			5		2		35	8	261	166	207	256	109	167	65	149	20	45	10	23	1	4	715	818	1533
U/CX (PID)			4		2		31	8	(9) 254	164	(7) 204	249	(5) 107	164	(3) 64	149	(1) 20	45	10	23	1	4	(25) 697	806	1503
THROAT									2	2	1	5	1	3									4	10	14
RECTUM							4		5		1	1	1		1								12	1	13
EYE			1								1	1											2	1	3
GONORRHEA/ CHLAMYDIA *							16	1	104	45	76	52	23	24	18	13	2	3	1	1			240	139	379
SYPHILIS									1		2	2	1	5	3	3	2	2		3	3	6	12	21	33
OTHER(CHANCROID)																									
TOTAL	1		15		7		154	21	1897	541	1611	842	675	471	339	314	75	85	18	41	6	16	4798	2331	7129

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

Figure 3

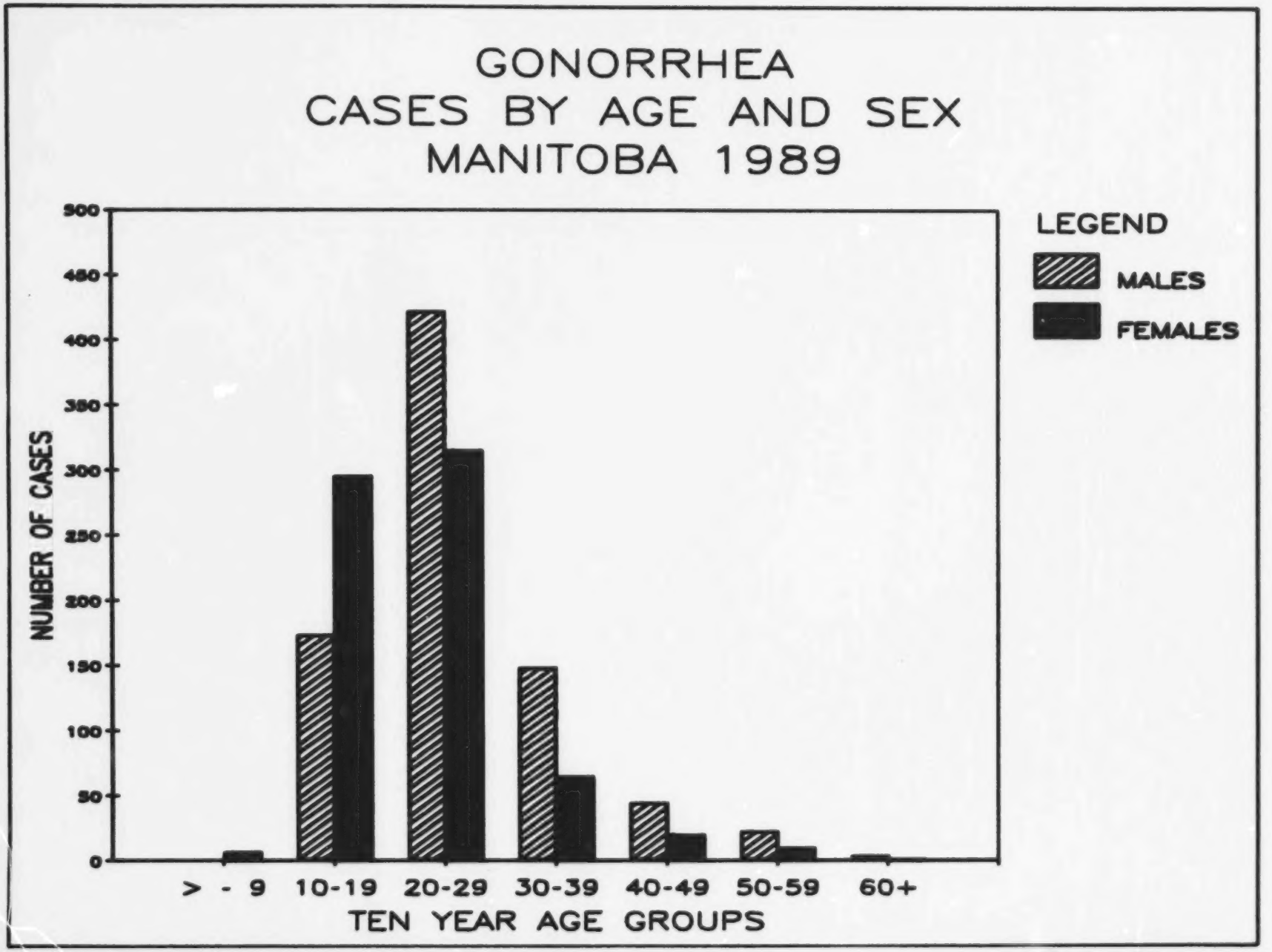

GONORRHEA
CASES BY AGE AND SEX
MANITOBA 1989
NUMBER OF CASES
500
450
400
350
300
250
200
150
100
50
0
LEGEND
MALES
FEMALES
> - 9
10-19
20-29
30-39
40-49
50-59
60+
TEN YEAR AGE GROUPS

Figure 4

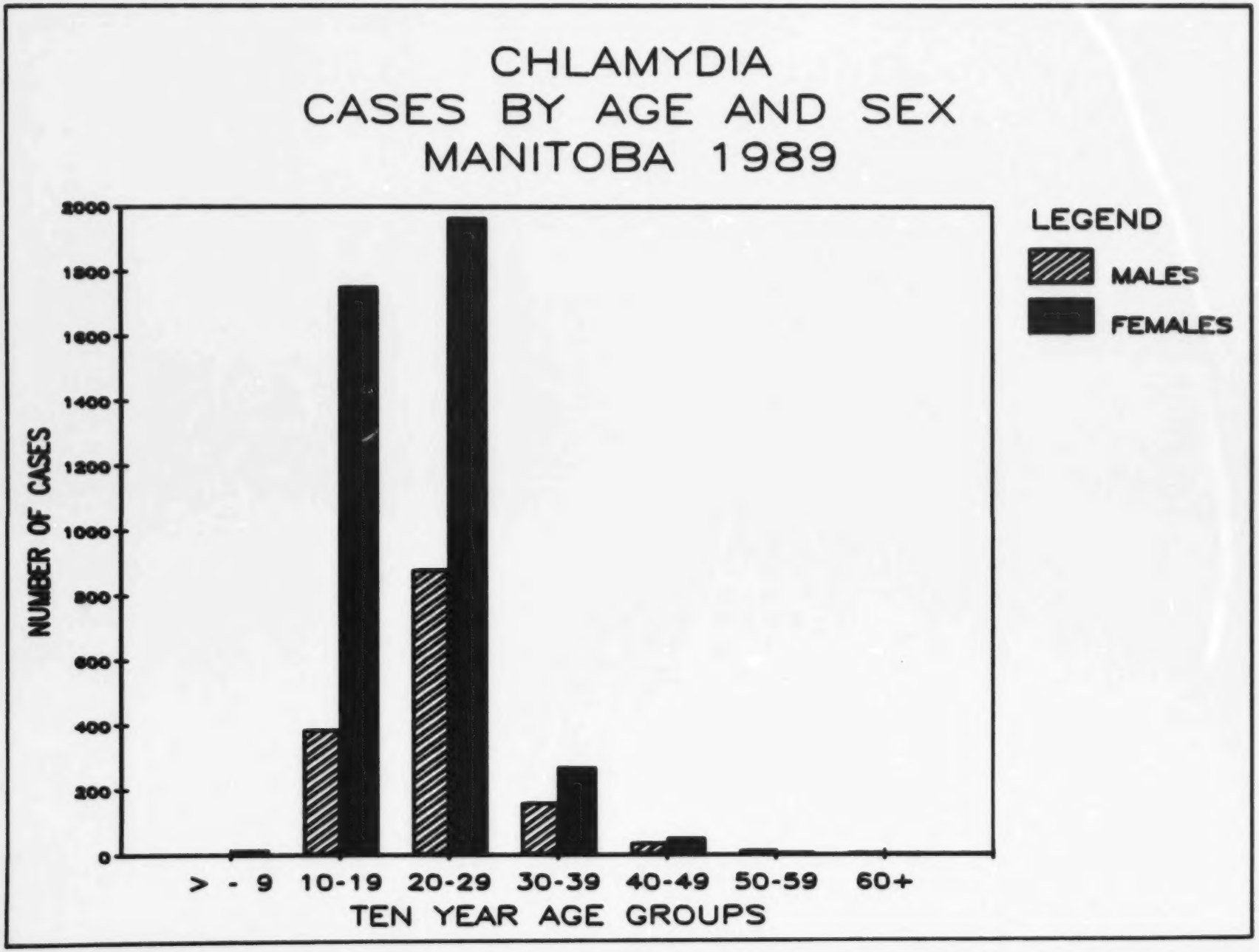

CHLAMYDIA
CASES BY AGE AND SEX
MANITOBA 1989
LEGEND
MALES
FEMALES
NUMBER OF CASES
2000
1800
1600
1400
1200
1000
800
600
400
200
0
> - 9
10-19
20-29
30-39
40-49
50-59
60+
TEN YEAR AGE GROUPS

TABLE 2.1: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES BY AGE, SEX AND SITE OF INFECTION

THOMPSON 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA			2		2		17		219	54	174	71	71	28	31	12	8	2				1	524	168	692
TOTAL GONORRHEA			3				7	1	36	36	41	60	16	32	13	14	3	7					119	150	269
U/CX (PID)			3				7	1	(2) 36	36	41	60	16	32	(1) 13	14	3	7					(3) 119	150	269
THROAT																									
RECTUM																									
EYE																									
GONORRHEA/ CHLAMYDIA *							3		20	8	15	12	5	3	3	2							46	25	71
SYPHILIS																									
OTHER(CHANCROID)																									
TOTAL			5		2		24	1	255	90	215	131	87	60	44	26	11	9				1	643	318	961

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY
PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.2: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES BY AGE, SEX AND SITE OF INFECTION

CENTRAL 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA			1		1		3		45	10	34	13	9	6	9	7	1	1					103	37	140
TOTAL GONORRHEA									5	7	7	8	1		5		1						19	15	34
--SITES--																									
U/CX (PID)																									
THROAT																									
RECTUM																									
EYE																									
GONORRHEA/ CHLAMYDIA *											4	2											4	2	6
SYPHILIS																									
OTHER(CHANCROID)																									
TOTAL			1		1		3		50	17	41	21	10	6	14	7	2	1					122	52	174

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.3: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES

BY AGE, SEX AND SITE OF INFECTION

INTERLAKE 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA							4		64	13	64	22	19	14	13	3	4	1			1		169	53	222
TOTAL GONORRHEA					1		1		5	4	3	12	4	6		4							14	26	40
--SITES																									
U/CX (PID)					1		1		5	4	3	11	4	6		4							14	25	39
THROAT																									
RECTUM																									
EYE												1												1	1
GONORRHEA/ CHLAMYDIA *							1		4	2	2	1	2	1									9	4	13
SYPHILIS																		1						1	1
OTHER(CHANCROID)																									
TOTAL					1		5		69	17	67	34	23	20	13	7	4	2			1		183	80	263

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.4: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES BY AGE, SEX AND SITE OF INFECTION

PARKLANDS 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA							2		56	19	37	15	8	5	5		1	1		1			109	41	150
TOTAL GONORRHEA			1				3		10	8	6	8	3	4		2							23	22	45
--SITES--																									
U/CX (PID)			1				3		10	8	6	8	3	4		2							23	22	45
THROAT																									
RECTUM																									
EYE																									
GONORRHEA/ CHLAMYDIA *							1		4	4	3	2											8	6	14
SYPHILIS																									
OTHER(CHANCROID)																									
TOTAL			1				5		66	27	43	23	11	9	5	2	1	1		1			132	63	195

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY
PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.5: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES BY AGE, SEX AND SITE OF INFECTION

EASTMAN 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA					1		11	3	117	26	80	43	30	12	14	6	1	3	2	1			256	94	350
TOTAL GONORRHEA --SITES							1	2	18	19	8	21	10	15	5	11	1	3	1				44	71	115
U/CX (PID)							1	2	18	19	8	21	10	15	5	11	1	3	1				44	71	115
THROAT																									
RECTUM																									
EYE																									
GONORRHEA/ CHLAMYDIA *							1		9	9	6	7	2	3	4	1		2					22	22	44
SYPHILIS												1												1	1
OTHER(CHANCROID)																									
TOTAL					1		12	5	135	45	88	65	40	27	19	17	2	6	3	1			300	166	466

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.6: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES

BY AGE, SEX AND SITE OF INFECTION

NORMAN 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA			2						59	11	52	20	18	13	5	7							136	51	187
TOTAL GONORRHEA									5	8	8	10	1	3		1			1				15	22	37
--SITES--																									
U/CX (PID)																									
THROAT																									
RECTUM																									
EYE																									
GONORRHEA/ CHLAMYDIA *									2	1	3	1				1							5	3	8
SYPHILIS																									
OTHER(CHANCROID)																									
TOTAL			2						64	19	60	30	19	16	5	8			1				151	73	224

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.7: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES

BY AGE, SEX AND SITE OF INFECTION

WESTMAN 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA			1				3		137	25	111	51	44	27	14	9	4	2					314	114	428
TOTAL GONORRHEA							1		13	8	15	10	2	8	6	5	1						38	31	69
--SITES--																									
U/CX (PID)							1		(1) 12	7	(1) 15	10	2	8	6	5	1						(2) 37	30	67
THROAT										1														1	1
RECTUM									1														1		1
EYE																									
GONORRHEA/ CHLAMYDIA *									6	2	5	1	1	4	2	1	1						15	8	23
SYPHILIS																				1				1	1
OTHER(CHANCROID)																									
TOTAL			1				4		150	33	126	61	46	35	20	14	5	2		1			352	146	498

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.8: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES BY AGE, SEX AND SITE OF INFECTION

WINNIPEG 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA	1		4		1		77	10	914	216	831	345	354	188	176	115	33	28	6	13	1	5	2398	920	3318
TOTAL GONORRHEA			1		1		22	5	167	75	117	127	71	95	34	110	14	35	8	23	1	4	436	474	910
U/CX (PID)					1		18	5	(6) 161	74	(6) 114	121	(5) 69	92	(2) 33	110	(1) 14	35	8	23	1	4	(20) 419	464	883
THROAT									2	1	1	5	1	3	1								5	9	14
RECTUM							4		4		1	1	1										10	1	11
EYE			1								1												2	0	2
GONORRHEA/ CHLAMYDIA *							10	1	58	19	38	26	13	11	9	8	1	1	1	1			130	67	197
SYPHILIS									1		2	1	1	5	3	3	2	1		2	3	6	12	18	30
OTHER(CHANCROID)																									
TOTAL	1		5		2		99	15	1082	291	950	473	426	288	213	228	49	64	14	38	5	15	2846	1412	4258

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY
PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 2.9: DISTRIBUTION OF CHLAMYDIA, GONORRHEA, CHANCROID AND SYPHILIS CASES

BY AGE, SEX AND SITE OF INFECTION

OUT OF PROVINCE 1989

AGE	under 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60+		TOTAL		TOTAL
SEX	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	
TOTAL CHLAMYDIA							2		24	1	19	4	12	6	4	3	1						62	14	76
TOTAL GONORRHEA --SITES									2	1	2		1	4	2	2							7	7	14
U/CX (PID)									2	1	2		1	4	2	2							7	7	14
THROAT																									
RECTUM																									
EYE																									
GONORRHEA/ CHLAMYDIA *									1					2									1	2	3
SYPHILIS																									
OTHER(CHANCROID)																									
TOTAL							2		26	2	21	4	13	10	6	5	1						69	21	90

* Gonorrhea/Chlamydia - indicates the number of persons who were reported as having concomitant gonococcal and chlamydial infections.

KEY PID - Pelvic Inflammatory Disease
U - Urethra
Cx - Cervix

TABLE 3.0: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

MANITOBA 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	96	118	103	433	6	2	758
St. Boniface	9	16	12	85	4	4	130
Wpg. Private Physician	292	201	704	1707	8	5	2917
Rural Private Physician	145	140	311	906	1		1503
Mount Carmel	66	91	85	279			521
Klinic	5	8	23	55			91
Other Wpg. Hospitals	12	13	19	61	1		106
Out of Town Inst.		1	9	15			25
Federal Nursing	162	106	160	440	1		869
Jails	23	19	30	34		1	107
Other	8	2	36	56			102
Total	**818**	**715**	**1492**	**4701**	**21**	**12**	**7129**

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.1: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

THOMPSON 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	1	4	2	5			12
St. Boniface				3			3
Wpg. Private Physician	1	1	4	11			17
Rural Private Physician	43	37	59	189			328
Mount Carmel				1			1
Klinic							
Other Wpg. Hospitals							
Out of Town Inst.			1	1			2
Federal Nursing	99	75	94	279			547
Jails	2	1	3	1			7
Other	4	1	5	34			44
Total	**150**	**119**	**168**	**524**			**961**

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.2: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

CENTRAL 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	1			6			7
St. Boniface	1		1				2
Wpg. Private Physician			5	11			16
Rural Private Physician	11	16	27	80			134
Mount Carmel				2			2
Klinic							
Other Wpg. Hospitals							
Out of Town Inst.							
Federal Nursing							
Jails	2	3		4			9
Other			4				4
Total	15	19	37	103			174

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.3: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

INTERLAKE 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	2	3	3	16			24
St. Boniface	1			2			3
Wpg. Private Physician	3	1	9	36			49
Rural Private Physician	14	8	25	77	1		125
Mount Carmel			3	2			5
Klinic				1			1
Other Wpg. Hospitals							
Out of Town Inst.		1	6	14			21
Federal Nursing	5	1	3	17			26
Jails	1		2				3
Other			2	4			6
Total	26	14	53	169	1		263

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.4: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

PARKLANDS 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences			1	2			3
St. Boniface				1			1
Wpg. Private Physician			2	3			5
Rural Private Physician	20	23	36	96			175
Mount Carmel							
Klinic							
Other Wpg. Hospitals							
Out of Town Inst.			2				2
Federal Nursing							
Jails	2						2
Other				7			7
Total	22	23	41	109			195

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.5: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

EASTMAN 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	2	4	1	18			25
St. Boniface	1	1	2	8			12
Wpg. Private Physician	2	5	14	46			67
Rural Private Physician	7	4	14	41			66
Mount Carmel		1		1			2
Klinic							
Other Wpg. Hospitals				3			3
Out of Town Inst.							
Federal Nursing	58	29	60	138	1		286
Jails	1		3				4
Other				1			1
Total	**71**	**44**	**94**	**256**	1		**466**

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.6: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

NORMAN 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences				6			6
St. Boniface				1			1
Wpg. Private Physician	2	1	3	7			13
Rural Private Physician	20	13	39	108			180
Mount Carmel			2	7			9
Klinic			7	7			14
Other Wpg. Hospitals							
Out of Town Inst.							
Federal Nursing		1					1
Jails							
Other							
Total	22	15	51	136			224

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.7: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

WESTMAN 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	1		1	1	1		4
St. Boniface							
Wpg. Private Physician	1		2	14			17
Rural Private Physician	26	37	101	295			459
Mount Carmel				1			1
Klinic	1						1
Other Wpg. Hospitals			1				1
Out of Town Inst.							
Federal Nursing			1	1			2
Jails		1		1			2
Other	2		8	1			11
Total	**31**	**38**	**114**	**314**	**1**		**498**

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.8: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

WINNIPEG 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	87	103	93	362	5	2	652
St. Boniface	6	15	9	68	4	4	106
Wpg. Private Physician	282	191	660	1545	8	5	2691
Rural Private Physician	1	2	6	18			27
Mount Carmel	66	90	80	265			501
Klinic	4	8	16	47			75
Other Wpg. Hospitals	12	12	17	57	1		99
Out of Town Inst.							
Federal Nursing			2	4			6
Jails	15	14	22	27		1	79
Other	1	1	15	5			22
Total	474	436	920	2398	18	12	4258

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 3.9: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

OUT OF PROVINCE 1989

FACILITY	GONORRHEA		CHLAMYDIA		SYPHILIS		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
Health Sciences	2	4	2	17			25
St. Boniface				2			2
Wpg. Private Physician	1	2	5	34			42
Rural Private Physician	3		4	2			9
Mount Carmel							
Klinic							
Other Wpg. Hospitals		1	1	1			3
Out of Town Inst.							
Federal Nursing				1			1
Jails				1			1
Other	1		2	4			7
Total	7	7	14	62			90

SUMMARY: This table indicates the facility at which patients were diagnosed with gonorrhea, chlamydia and syphilis.

TABLE 4.0: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS CASES

BY DIAGNOSTIC FACILITY

1. INNER CITY 1989

FACILITY	GONORRHEA	CHLAMYDIA	SYPHILIS	TOTAL
Health Sciences Centre	120	254	6	380
St. Boniface	12	24	3	39
Wpg. Private Physician	222	725	7	954
Rural Private Physician	1	13		14
Mount Carmel Clinic	55	93		148
Klinic	8	42		50
Other Wpg. Hospitals	15	25		40
Out of Town Inst.				
Federal Nursing		3		3
Jails	14	26		40
Other	1	3		4
TOTAL	448	1208	16	1672
% of Winnipeg Cases in this area of city	49	36	53	39

Inner City = City Centre and Fort Rouge

TABLE 4.1: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS

BY DIAGNOSTIC FACILITY

2. ST. JAMES 1989

FACILITY	GONORRHEA	CHLAMYDIA	SYPHILIS	TOTAL
Health Sciences Centre	7	31	1	39
St. Boniface	2	7	1	10
Wpg. Private Physician	39	496	2	537
Rural Private Physician		2		2
Mount Carmel Clinic	2	17		19
Klinic		6		6
Other Wpg. Hospitals	1	17		18
Out of Town Inst.				
Federal Nursing				
Jails	5	9		14
Other	1	15		16
TOTAL	57	600	4	661
% of Winnipeg Cases in this area of city	6	18	13	16

St. James = St. James-Assiniboine, Assiniboine Park and Fort Garry

TABLE 4.2: DISTRIBUTION OF GONORRHEA, CHLAMYDIA AND SYPHILIS

BY DIAGNOSTIC FACILITY

3. KILDONANS 1989

FACILITY	GONORRHEA	CHLAMYDIA	SYPHILIS	TOTAL
Health Sciences Centre	63	170		233
St. Boniface	7	46	4	57
Wpg. Private Physician	212	984	4	1200
Rural Private Physician	2	9		11
Mount Carmel Clinic	99	235		334
Klinic	4	15		19
Other Wpg. Hospitals	8	32	1	41
Out of Town Inst.				
Federal Nursing		3		3
Jails	10	14	1	25
Other		2		2
TOTAL	405	1,510	10	1,925
% of Winnipeg Cases in this area of city	45	46	34	45

Kildonans - Lork Selkirk, West Kildonan, East Kildonan, Transcona,

TABLE 5.0: TOTAL POSITIVE HIV ANTIBODY TESTS

BY AGE AND SEX

MANITOBA 1985 - 1989

AGE GROUP	1985		1986		1987		1988		1989		TOTAL	
	M	F	M	F	M	F	M	F	M	F	M	F
0 - 14	0	0	3	0	2	0	0	0	0	1	5	1
15 - 19	0	0	1	0	4	0	3	0	1	0	9	0
20 - 29	1	0	39	0	16	1	18	2	25	2	99	5
30 - 39	1	0	19	0	23	0	12	2	20	0	75	2
40 - 49	1	0	5	0	3	0	4	0	6	0	19	0
50 +	0	0	3	0	3	1	3	1	2	0	11	2
TOTAL	3	0	70	0	51	2	40	5	54	3	218	10

TABLE 6.0: HIV ANTIBODY POSITIVE TESTS

BY TRANSMISSION CATEGORY AND SEX

MANITOBA, 1989

TRANSMISSION CATEGORY	MALE	FEMALE	TOTAL
Homosexual/Bisexual Activity	40	0	40
Homosexual/Bisexual/IVDU	2	0	2
Recipient of Blood/Blood Products	4	0	4
Heterosexual Activities *	5	2	7
Other/Undetermined **	3	1	4
Offspring Risk Group	0	0	0
TOTAL	54	3	57

* Heterosexual activity includes (a) persons originating in or residing in countries with a high prevalence of HIV and where heterosexual transmission of HIV is common; and (b) persons reporting heterosexual activity with person(s) at risk of HIV infection.

** Under investigation.

Figure 5

HIV ANTIBODY POSITIVE TESTS
MANITOBA TOTAL 1989
TRANSMISSION SUMMARY

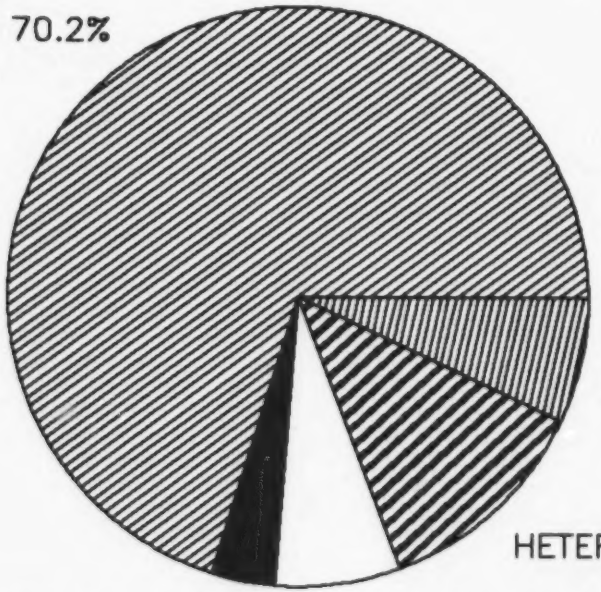

HOMOSEXUAL/BISEXUAL 40 = 70.2%
OTHER/UNDETERMINED 4 = 7%
HETEROSEXUAL ACTIVITY 7 = 12.3%
HOMOSEXUAL/BISEXUAL/IVDU 2 = 3.5%
BLOOD/BLOOD PRODUCTS 4 = 7%

Figure 6

HIV ANTIBODY POSITIVE TESTS
MANITOBA TOTAL 1985 - 1989
TRANSMISSION SUMMARY

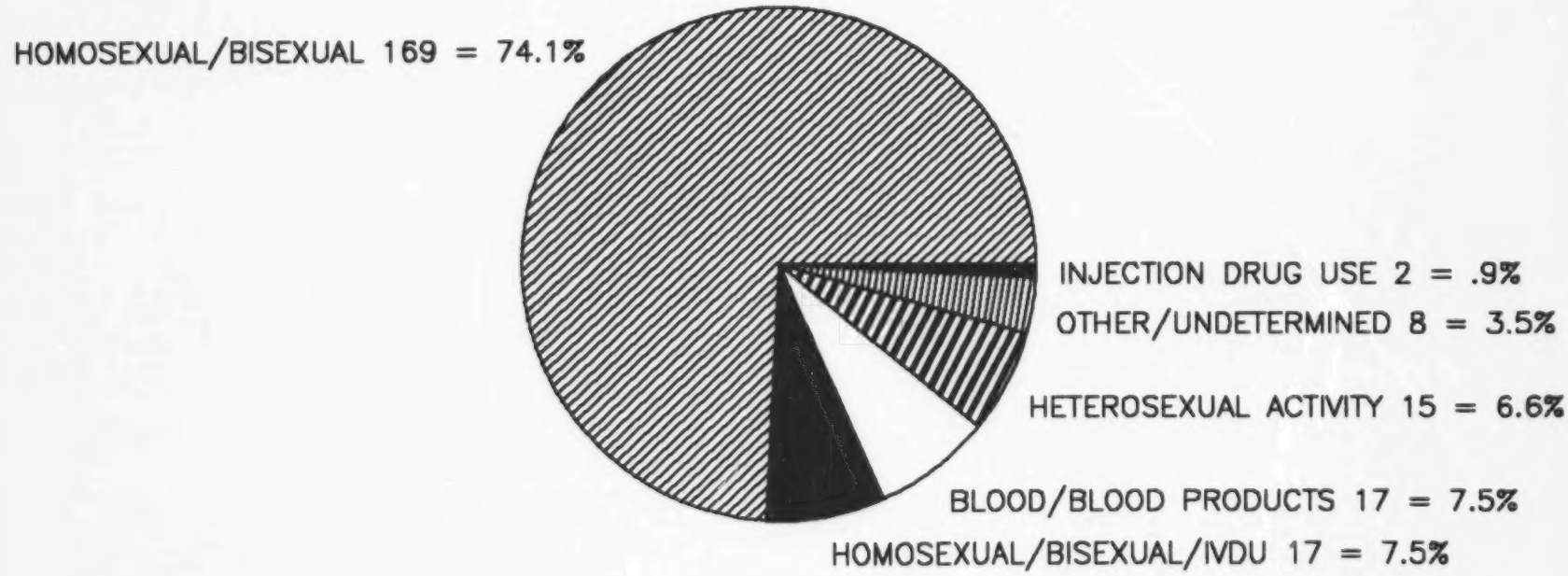

HOMOSEXUAL/BISEXUAL 169 = 74.1%
INJECTION DRUG USE 2 = .9%
OTHER/UNDETERMINED 8 = 3.5%
HETEROSEXUAL ACTIVITY 15 = 6.6%
BLOOD/BLOOD PRODUCTS 17 = 7.5%
HOMOSEXUAL/BISEXUAL/IVDU 17 = 7.5%

TABLE 7.0: HIV ANTIBODY POSITIVE TESTS

BY GEOGRAPHIC RESIDENCE

IN MANITOBA, 1989

REGION	MALE	FEMALE	TOTAL
WINNIPEG	51	3	54
OUT OF WINNIPEG	2	0	2
OUT OF PROVINCE	1	0	1
UNKNOWN	0	0	0
TOTAL	54	3	57

NOTE: In order to ensure confidentiality, individual regions are not identified.

TABLE 8.0: AIDS CASES

BY YEAR OF DIAGNOSIS

MANITOBA 1985 - 1989

YEAR	CASES	DEATHS	CASE FATALITY (%)
1985	1	1	100
1986	15	4	31
1987	8	7	50
1988	5	4	55
1989	17	10	57
TOTAL	46	26	57

TABLE 9.0: AIDS CASES

REPORTED

MANITOBA 1985 - 1989

	CASES REPORTED	DEATHS	ALIVE
MALES	45	25	20
FEMALES	1	1	0
TOTAL	46	26	20

TABLE 10.0: AIDS CASES

BY RISK FACTOR

MANITOBA 1985 - 1989

RISK FACTOR	1985	1986	1987	1988	1989	TOTAL
HOMOSEXUAL/BISEXUAL ACTIVITY	1	13	8	4	11	37
HOMOSEXUAL/BISEXUAL/IVDU	0	2	0	0	1	3
RECIPIENT OF BLOOD/BLOOD PRODUCTS	0	0	0	1	4	5
HETEROSEXUAL ACTIVITY	0	0	0	0	0	0
NO IDENTIFIED RISK FACTOR	0	0	0	0	1	1
TOTAL	1	15	8	5	17	46

TABLE 11.0: AIDS CASES

BY AGE

MANITOBA 1985 - 1989

AGE GROUP	1989	1985 - 1989	% OF TOTAL
20 - 29	4	12	26
30 - 39	8	23	50
40 - 49	3	5	11
50 +	2	6	13
TOTAL	17	46	

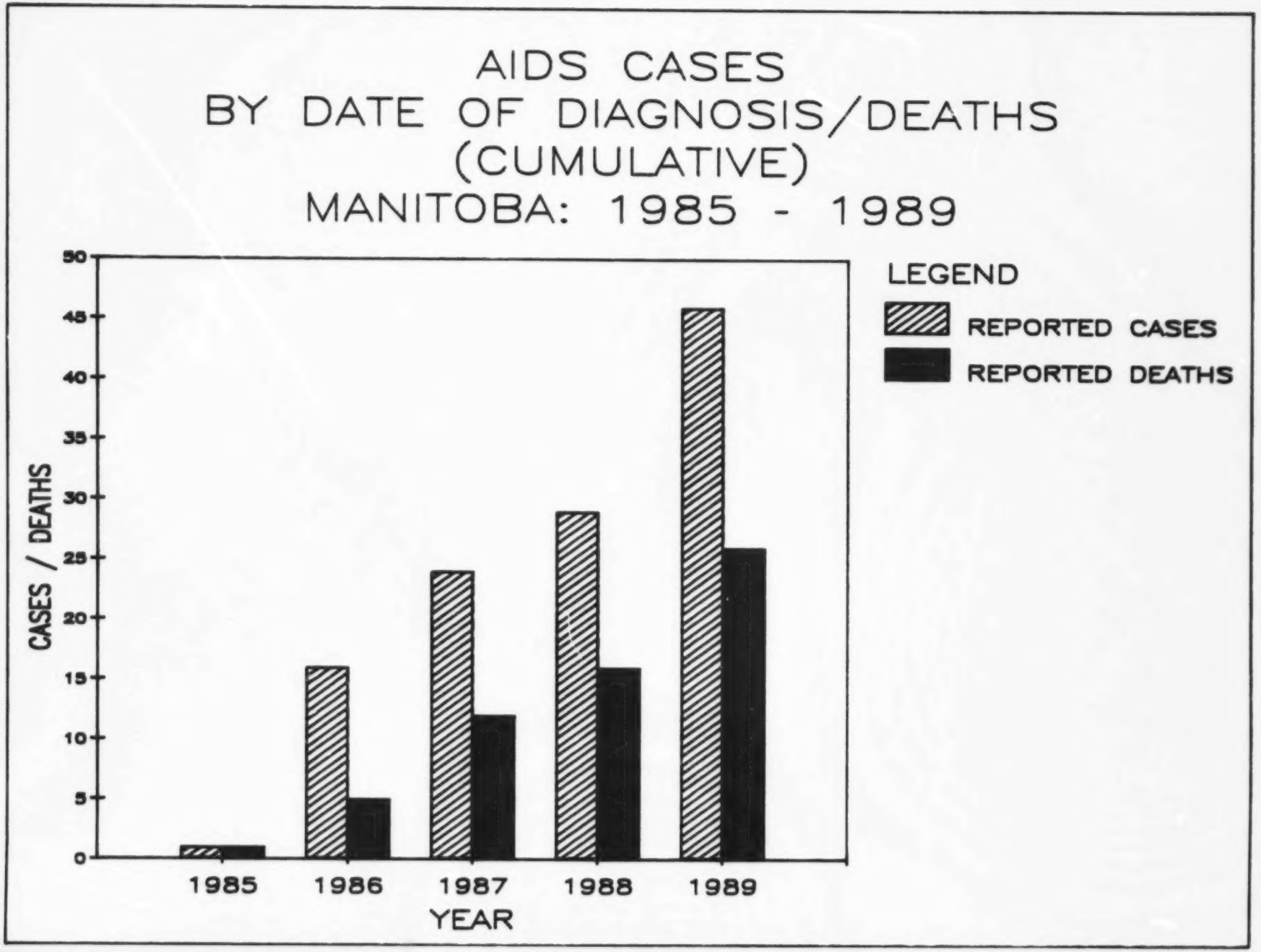
TABLE 12.0: AIDS CASES

BY PRESENTATION

MANITOBA 1985 - 1989

PRIMARY DISEASE	(1989)	1985 - 1989	(1989)	% OF TOTAL
PCP without K.S.	(9)	28	(53)	61
K.S. without PCP	(2)	5	(12)	11
Both PCP and K.S.	(0)	1	(0)	2
Other Opportunistic Diseases	(3)	6	(17)	13
Other Malignancies	(2)	4	(12)	7
HIV Wasting Syndrome	(0)	1	(0)	2
HIV Encephalopathy	(1)	1	(6)	2
TOTAL	(17)	46		

Figure 7


AIDS CASES
BY DATE OF DIAGNOSIS/DEATHS
(CUMULATIVE)
MANITOBA: 1985 - 1989
LEGEND
REPORTED CASES
REPORTED DEATHS
CASES / DEATHS
0
5
10
15
20
25
30
35
40
45
50
1985
1986
1987
1988
1989
YEAR